

CLAIMS

1. A liquid additive for CMP abrasive comprising a dispersant and water, wherein the dispersant is one of a polyammonium-acrylate or a polyamine-acrylate and has a weight average molecular weight of 1,000 to 100,000, and wherein the liquid additive contains 1 to 10% by weight of the dispersant.
2. The liquid additive for CMP abrasive of claim 1, wherein the dispersant has a weight average molecular weight of 10,000 to 40,000.
3. A liquid additive for CMP abrasive comprising a dispersant and water, wherein the dispersant is a polymer dispersant, wherein said polymer dispersant is a polymer containing ammonium acrylate as a copolymerized ingredient, a polyammonium-acrylate or a polyamine-acrylate and has a weight average molecular weight of 1,000 to 100,000, and wherein the liquid additive contains 1 to 10% by weight of the dispersant and is pH 4 to 8.
4. The liquid additive for CMP abrasive of claim 3, wherein the dispersant is one of a polyammonium-acrylate or a polyamine-acrylate.
5. A liquid additive for CMP abrasive comprising a dispersant and water, wherein the dispersant is one of a polyammonium-acrylate or a polyamine-acrylate and has a molecular weight distribution (weight average molecular weight/number average

molecular weight) of 1.005 to 1.300, and wherein the liquid additive contains 1 to 10% by weight of the dispersant and is pH 4 to 8.

6. A liquid additive for CMP abrasive comprising a dispersant and water, wherein the dispersant is one of a polyammonium-acrylate or a polyamine-acrylate and contains 10 mol% or less of free ammonia or a free amine, which does not form a salt, and wherein the liquid contains 1 to 10% by weight of the dispersant and is pH 4 to 8.

7. A liquid additive for CMP abrasive comprising a dispersant and water, wherein the dispersant is one of a polyammonium-acrylate or a polyamine-acrylate, and wherein the liquid additive contains 1 to 10% by weight of the dispersant, is pH 4 to 8 and has a viscosity of 1.20 to 2.50 mPa·s.

8. A liquid additive for CMP abrasive comprising a dispersant and water, wherein the dispersant is a polymer dispersant, wherein said polymer dispersant is a polymer containing ammonium acrylate as a copolymerized ingredient, a polyammonium-acrylate or a polyamine-acrylate, and has a weight average molecular weight of 10,000 to 40,000, and wherein the liquid additive contains 1 to 10% by weight of the dispersant and is pH 4 to 8.

9. The liquid additive for CMP abrasive of claim 8, wherein the dispersant is one of a polyammonium-acrylate or a polyamine-acrylate.